



## 4MP Wi-Fi Battery Video Doorbell with Wireless Chime

# DH-VDKB01-BB



### Series Overview

The WiFi Video Doorbell is a new addition to the Dahua Wireless series. It not only delivers 2K high-resolution imagery, but also captures more details than conventional fixed lenses through its ultra-wide fisheye lens. The doorbell features passive IR motion detection and transmits videos and audios to mobile devices, allowing you to remotely perform visual confirmation and communicate with visitors. Furthermore, it is compatible with 2.4 GHz/5 GHz Wi-Fi 6 networks, enhancing its connectivity options.

### Series Overview (Chime)

The Wireless Chime is an indoor device that chimes when your video doorbell is pressed. Highly convenient, it can also be bound to multiple video doorbells at the same time, so you can place multiple Wireless Chime around your home to always hear whenever someone presses your video doorbell. Whether you're in the kitchen, office or bedroom, you'll never miss a thing if your phone is out of reach.



#### 4MP

Clear images with sharp details



#### H.265

Advanced H.265 compression technology



#### Supports Micro SD Card

Low-cost storage



#### Leave Messages

Visitors can leave audio and video messages



#### Loitering Detection

AI detects when people are staying in the specific area for a certain duration



#### Package Detection

AI detects left and removed packages



#### Offline Chime Ringing

Chime rings even when the Wi-Fi network is disconnected



#### AI Precise Detection with Quick Wake Up

Accurate human and vehicle detection with instant alerts



#### Long-lasting Power

Support persistent operation of device



#### Night Light

Provides gentle illumination for the doorway



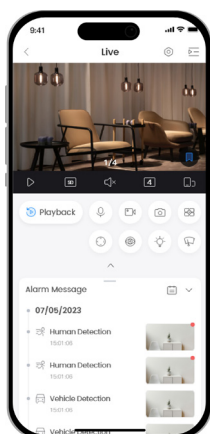
#### Wi-Fi 6

Seamless integration of speed and anti-interference



#### Bluetooth Pairing

Fast pairing with Bluetooth



## Upgrade Your Experience with DMSS

Intuitive AIoT app for individual security



#### Remote Management

Live view and recording history



#### Easy sharing

Safer device sharing with family and friends



#### Notifications and Alerts

Accurate and timely



#### High Security

Stay secure with all data encrypted





## Specifications Doorbell

### Camera

|                       |                           |
|-----------------------|---------------------------|
| Image Sensor          | 1/3.1" CMOS               |
| Max. Resolution       | 2048 (H) × 2048 (V)       |
| Illumination Distance | Up to 6 m (19.69 ft) (IR) |
| Illuminator Number    | 2 (IR LED)                |
| Lens Type             | Fixed-focal               |
| Focal Length          | 0.98 mm                   |
| Max. Aperture         | F2.1                      |
| Field of View         | H:180°, V:180°            |

### Intelligence

|                     |     |
|---------------------|-----|
| Human Detection     | Yes |
| Vehicle Detection   | Yes |
| Loitering Detection | Yes |
| Package Detection   | Yes |

### Audio and Video

|                   |                                                                                                                                                                                                                                       |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Compression | H.265                                                                                                                                                                                                                                 |
| Video Frame Rate  | Main stream: 2048 × 2048@ (1–15 fps)/1440 × 1440@ (1–15 fps)/1024 × 1024@ (1–15 fps)<br>*The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity. |
| Video Bit Rate    | H.265: 32 kbps–2048 kbps                                                                                                                                                                                                              |
| Day/Night         | Auto(ICR)/Color/B/W                                                                                                                                                                                                                   |
| WDR               | DWDR                                                                                                                                                                                                                                  |
| Motion Detection  | OFF/ON (4 areas, rectangular)                                                                                                                                                                                                         |
| Built-in MIC      | Yes, built-in Mic                                                                                                                                                                                                                     |
| Built-in Speaker  | Yes, built-in speaker                                                                                                                                                                                                                 |
| Audio Compression | G.711a; G.711Mu; PCM                                                                                                                                                                                                                  |
| Siren Volume      | 110 dB (Level measured at 10 cm distance)                                                                                                                                                                                             |

### Network

|       |                                                                                                                                                                                                                                  |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wi-Fi | IEEE 802.11b/g/n/a/ac 2.4 GHz & 5 GHz<br>EIRP ≤ 20 dBm@2400–2483.5 MHz (CE);<br>EIRP ≤ 23 dBm@5150–5250 MHz (CE);<br>EIRP ≤ 20 dBm@5250–5350 MHz (CE);<br>EIRP ≤ 27 dBm@5470–5725 MHz (CE);<br>EIRP ≤ 14 dBm@5725–5875 MHz (CE); |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                     |                                     |
|---------------------|-------------------------------------|
| Wi-Fi Pairing       | Bluetooth pairing                   |
| Storage             | Micro SD card (support max. 512 GB) |
| Management Software | DMSS                                |
| Mobile Client       | Android; iOS                        |

### General

|                       |                                                                                                                                                              |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Certifications        | CE-LVD: EN62368-1;<br>CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU;<br>CE-RED: Radio Equipment Directive 2014/53/EU                            |
| Power Supply          | USB (5 VDC ± 5%, 2 A) or binding post power supply (12–24 VDC/8–24 VAC, 1 A)                                                                                 |
| Power Consumption     | Power saving mode: 0.004 W;<br>Performance mode: 1.4 W                                                                                                       |
| Operating Temperature | –20 °C to +50 °C (–4 °F to +122 °F)                                                                                                                          |
| Operating Humidity    | ≤ 95% (RH), non-condensing                                                                                                                                   |
| Protection            | IP65                                                                                                                                                         |
| Anti-corrosion Level  | Basic Protection<br>*The products are designed for general use and are applicable even in areas with no specific requirements for anti-corrosion protection. |
| Camera Button         | Reset Button; One-click Call Button                                                                                                                          |
| Casing Material       | Plastic                                                                                                                                                      |
| Product Dimensions    | 159.6 mm × 52.9 mm × 40 mm (6.28" × 2.08" × 1.58") (L × W × H)                                                                                               |
| Net Weight            | 0.31 kg (0.68 lb)                                                                                                                                            |

### Battery

|                  |                   |
|------------------|-------------------|
| Battery Capacity | 10000 mAh / 36 Wh |
|------------------|-------------------|

### Chime Connection

|                        |                                                                                       |
|------------------------|---------------------------------------------------------------------------------------|
| Device Compatibility   | DH-DS3BB; DH-DS1AG                                                                    |
| Connection Capacity    | Doorbell: up to 10 chimes. DH-DS3BB: up to 5 doorbells. DH-DS1AG: up to 10 doorbells. |
| Connection Mode        | DS3BB: 868/433 MHz link to doorbell. DS1AG: 2.4 GHz Wi-Fi to router.                  |
| Communication Distance | DS3BB: Up to 100 m (328 ft) in an open space                                          |

# Specifications Chime

## Audio

|                  |                                            |
|------------------|--------------------------------------------|
| Built-in Speaker | Built-in Speaker                           |
| Ringtone Volume  | 94.5 dB (Level measured at 10-cm distance) |

## Power

|                   |                         |
|-------------------|-------------------------|
| Power Supply      | 100–240 V AC , 50/60 Hz |
| Power Consumption | < 3W                    |

## Wireless

|                          |                                       |
|--------------------------|---------------------------------------|
| Carrier Frequency        | 868.0 MHz–868.6 MHz                   |
| Transmitter Power (EIRP) | Limit 25 mW                           |
| Communication Mechanism  | One-way                               |
| Communication Distance   | Up to 100 m (328 ft) in an open space |

## Structure

|                    |                                                                |
|--------------------|----------------------------------------------------------------|
| Appearance Color   | Black Plastic                                                  |
| Net Weight         | 0.08 kg (0.18 lb)                                              |
| Casing Material    | Plastic                                                        |
| Product Dimensions | 74 mm × 74 mm × 70.5 mm (2.91" × 2.91" × 2.78")<br>(L × W × H) |

## Environment

|                       |                                      |
|-----------------------|--------------------------------------|
| Operating Temperature | –10 °C to +45 °C (+14 °F to +113 °F) |
| Operating Humidity    | 20%–95% (RH), non-condensing         |

## Certification

Certification

CE-LVD: EN IEC 62368-1:2020+A11:2020;  
CE-EMC: EN55032:2015+A1:2020;  
EN55035:2017+A11:2020; EN IEC61000-3-2:2019+A1:2021; EN61000-3-3:2013+A2:2021;  
CE-RED: ETSI EN 300 220-1 V3.1.1; ETSI EN 300 220-2 V3.2.1; ETSI EN 301 489-1 V2.2.3; ETSI EN 301 489-3 V2.3.2; EN62479:2010; EN50663:2017

## Doorbell Connection

|                     |                              |
|---------------------|------------------------------|
| Connection Capacity | Each chime up to 5 doorbells |
|---------------------|------------------------------|

# What's in the box



- Tools:**
- Installation Kit × 1
  - Pin × 1
  - Mounting Bracket × 1
  - Mounting Bracket Adhesive × 1
  - Angel Bracket × 1
  - Angel Bracket Adhesive × 1

- Documents:**
- Quick Start Guide × 2
  - Legal and regulation information × 1

- Power:**
- Power Cable × 1

